

Date: Thu, 23 Sep 93 04:30:12 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V93 #56
To: Ham-Ant

Ham-Ant Digest Thu, 23 Sep 93 Volume 93 : Issue 56

Today's Topics:

Coils in Cellular Antennas (2 msgs)
omni-directional VHF/UHV/FM antenna

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 22 Sep 93 18:33:13 GMT
From: headwall.Stanford.EDU!Csl!paulf@RUTGERS.EDU
Subject: Coils in Cellular Antennas
To: ham-ant@ucsd.edu

david@bu.edu (David Gagnon) writes:

>I have been seeing TV and billboard adds for cellular telephones that make
>much of the fact that there is short segment of about 5-7 helical turns in
>the middle of what is recognized as a cellular telephone antenna.

The antenna functions as a two element collinear array, and the coil serves
to phase the upper element in the array.

--
-=Paul Flaherty, N9FZX | "The National Anthem has become The Whine."
->paulf@Stanford.EDU | -- Charles Sykes, _A Nation of Victims_

Date: 22 Sep 1993 17:57:04 GMT

From: news.cerf.net!pagesat!olivea!news.bu.edu!david@network.ucsd.edu
Subject: Coils in Cellular Antennas
To: ham-ant@ucsd.edu

I have been seeing TV and billboard adds for cellular telephones that make much of the fact that there is short segment of about 5-7 helical turns in the middle of what is recognized as a cellular telephone antenna.

Does this have a function? I can theorize that: 1. It adds some inductance to the system that's needed. 2. It adds flexibility to the antenna so it will bend. or 3. It's decorative.

My apologies if this seems trivial or if it's been discussed before, but my curiosity has been piqued.

>David<

--

David R. Gagnon, MD MPH	david@med-busphib.bu.edu
Boston University School of Public Health	(617) 638-4457 [voice]
Boston, Massachusetts	

"ecrasez l'infamie"

Date: Wed, 22 Sep 1993 20:21:24 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!pipex!sunic!
news.funet.fi!ousrvr.oulu.fi!so-patu@network.ucsd.edu
Subject: omni-directional VHF/UHV/FM antenna
To: ham-ant@ucsd.edu

How about using a log-periodic for each direction needed, then a switch or a relay for each set you are using?? I Think the picture quality will suffer from reflections when using an omni-directional antenna, even at strong signals...

Timo

* Timo Patana, OH6NVG Tel. +358-81-344947 *
* so-patu@stekt.oulu.fi Mobile +358-4049-68276 *

End of Ham-Ant Digest V93 #56
